VPCS131FM/S

VAIO Notebook - S Series

Serious power, uncompromising class

REDISCOVER YOUR FAVORITES

Rediscover your favorite music, photos and more with Media Gallery™ . Developed with design in mind, Media Gallery includes a stunning UI with easy-to-use features that take the work out of enjoying your media.

In one-step, integrated SensMe™ Technology simplifies your massive music library into playlists based on the elements of your music as well as your unique listening habits.

Instantly get the scoop on your favorite artist with built-in GraceNote™ support while an integrated YouTube™ search engine automatically seeks out and suggests music videos, interviews and other content related to the song being played.

Gesture Control introduces a whole new way to control content playing within Media Gallery. Using advanced technology, Media Gallery includes the ability to utilize your integrated webcam to detect specific hand movements that command the player to play, pause, skip forward or back through a song, video or slideshow.

POWERFUL PERFORMACE

Enjoy the powerful performance of an Intel® Core™ i5 - 460M (2.53GHz) with Intel® Turbo Boost Technology[22] up to (2.80GHz) and 4GB of system memory.

The VAIO® S Series notebook comes pre-installed with Genuine Microsoft® Windows® 7 Home Premium.

Store your favorite multimedia, important documents, and cherished family photos on the massive 640GB[2] Serial ATA hard drive.

A 13.3" (1366x768) widescreen, LED backlit display[4] uses power-efficient LCD technology and delivers dazzling colors and stunning picture clarity.

SMARTER TECHNOLOGY

The VAIO® S Series includes VAIO Care™ software, a simple do-it yourself PC maintenance tool for tune-ups, troubleshooting and more.

New built - in Intel® Wireless Display technology lets you wirelessly connect to projectors and HDTVs for simple streaming of content from your PC (display attachment sold separately).

Enjoying your media has never been more fun with the uniquely smart and easy-to-use Sony® Creativity Suite. Get instantly organized with smart sorting features, create personal masterpieces with easy-to-use creative tools and rediscover forgotten music and memories with breakthrough technology that recommends content based on your unique listening and viewing habits.

ENJOY WIRELESS FREEDOM WITH WIMAX

Discover 4G WiMAX (where available)[24] – a hotspot that travels with you. It gives you superfast 4G Internet that works as fast on the go as it does at home. With average mobile download speeds that are 4 times faster than the Internet on a 3G network[23] , WiMAX Network (where available)[24] gives you the freedom to stay connected to your email and social network sites all the time.

ENDLESS FEATURES

A backlit keyboard frames the keys with a soft glow and illuminates the lettering for convenient typing day or night.

Stay connected to friends and family while on the road with real-time video conferencing[16] using the MOTION EYE® camera and microphone with face-tracking technology.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

G-Sensor™ Shock Protection[21] technology locks up your hard disk drive when it senses a sudden movement to secure its position and help protect the disk from scratching.
An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

The powerful, portable and durable VAIO® S notebook features a magnesium alloy casing, Intel® processor technology, a WiMAX Network (where available)[24] , and a 13.3" LED backlit widescreen (1366x768) display[4] .

Windows 7

Bluetooth

Wi Fi CERTIFIED

HDMI

G-SENSOR

ENERGY STAR

RoHS COMPLIANT

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VAIO Notebook - S Series

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: VAIO, Wireless Display, Wireless on / off
Pointing Device: Electro-static touchpad

Hardware

Keyboard: QWERTY, 86 keys with 1.7mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology
Backlit Keyboard: Yes

Processor

Type: Intel® Core™ i5 - 460M
Speed: 2.53GHz[1] with Turbo Boost Technology up to 2.80GHz
Technology: Intel® Turbo Boost Technology[22]
L3 Cache: 3MB

Memory

Installed: 4GB (2GBx2)
Maximum: 8GB
Type/Speed: DDR3/1066MHz

Hard Drive

Capacity: 640GB[2]
Speed: 5400rpm
Type: Serial ATA
Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection[21]

Optical Drive

CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ media slot (Standard/Duo) with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 13.3"[4]
Resolution: 1366 x 768
Back Light Technology: LED

Graphics

Processor: Intel® Graphics Media Accelerator HD[12]
Chipset: Mobile Intel® HM55 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Display Resolution via HDMI™ : 1920x1080[15]

Inputs and Outputs

Headphone Jack: 1
Microphone Input: 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Ethernet Connection (s): 1
Internal Microphone: 1
HDMI™ Output(s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery
Power Requirements: 88W + 10%
DVD Playback: Up to 4 hours[7] Standard Capacity Battery
Default Brightness: Up to 5.5 hours[7] Standard Capacity Battery

Start-up Times

Average Boot Time: 60 sec[18]
Average Resume Time from Suspend: 2 sec[18]
First Boot Time: 5 min[19]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: Intel® Centrino® Advanced-N 6200 (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP (2.1 + EDR) [11]
Mobile Broadband: WiMAX Ready (where available)[24]
Wireless Display: Intel® Wireless Display[25]

Software

Operating System: Microsoft® Windows® 7 Home Premium 64-bit[13]
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[10]
Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[14]
System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance
Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery™ Software- Bring forgotten favorites to life
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 2 year toll-free technical assistance available 24/7[9] at 888-476-6972
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 2 year limited warranty with Onsite/In-Home Service[17]. See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 2 year limited warranty[8]. See actual warranty for details.

Environmental Information

EPEAT™ : Gold
RoHS®: Compliant
ENERGY STAR®: 5.0

Dimensions

Weight: 4.4 lbs (with standard capacity battery)
Measurements: 12.95"(W) x 1.08-1.24"(H) x 9.00"(D)[5]

Supplied Accessories

Standard Capacity Lithium-ion Battery (5000mAh)
AC Adapter
Power Cable

Optional Accessories

Large Capacity Battery (VGP-BPL21)
Additional Standard Capacity Battery (VGP-BPS21A/B)
AC Adapter (VGP-AC19V31)
Carrying Case (VGP-CKS3/B)
Neoprene Carrying Case (VGP-AMC5)
Privacy Filter/ LCD Screen Protector (VGP-FL16)
Bluetooth® Remote Mouse[11] (VGP-BMS80)
Bluetooth® Mouse[11] (VGP-BMS10/B)
Bluetooth® Keyboard[11] (VGP-BKB1)
NETGEAR - Push2TV Adapter for Intel® Wireless Display (PTV1000)

Color: Silver
UPC Code: 027242809925

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Rating based upon laboratory testing. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
11. Interoperability and compatibility among Bluetooth® devices vary.
12. Total Available Graphics Memory refers to the new Windows® 7 classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
13. Compatibility and performance in a 64-bit environment may vary.
14. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
15. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
16. Broadband Internet service required along with third party services which may require a subscription or other service fee.
17. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
18. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
19. Excluding end user interaction.
20. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost
21. Windows 7® is required for functionality of G-Sensor™ Shock Protection.
22. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost
23. Average mobile download speeds of 3 Mbps to 6 Mbps, with bursts over 10 Mbps. Actual performance may vary and is not guaranteed. Other carrier performance claims based on their advertised claims.
24. WiMAX service availability is limited. Check with CLEAR LLC for more details on availability and network limitations.
25. Intel® Wireless Display requires the NETGEAR® PTV1000 Push2TV Wireless TV Adapter (sold separately) and TV with HDMI™ or Composite AV input. Content requiring output protection (Blu-ray Disc™ and DVD movie playback) is not supported. 720p (max.) output. Image quality may vary.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.

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